

HU:MGSDVRDLNALLPAVPSLGGGGGCGALFVSGAAQWAPVLDFAFPGASAYGSL
MO:MGSDVRDLNALLPAVSSLGGGGGCGLPVSGAAQWAPVLDFAFPGASAYGSL

HU:GGPAPPPAPPPPPPPPPHPSFIKQEPSWGGAEPEHEEQCLSAFTVHFSGQFTGTAG
MO:GGPAPPPAPPPPPPPPPHPSFIKQEPSWGGAEPEHEEQCLSAFTLHFSGQFTGTAG

HU:ACRYGPF GPPPPSQASSGQARMFPNAPYLPSCLESQPAIRNQGYSTVTFDGTSP
MO:ACRYGPF GPPPPSQASSGQARMFPNAPYLPSCLESQPTIRNQGYSTVTFDGA PS

HU:YGHTPSHHAAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDSC TG
MO:YGHTPSHHAAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDSC TG

HU:SQALLLRTPYSSDNLYQMTSQLECM TWNQMNLGATLKGVAAGSSSSSVKWTE
MO:SQALLLRTPYSSDNLYQMTSQLECM TWNQMNLGATLKGMAAGSSSSSVKWTE

HU:GQSNHSTGYESDNHTTPEILCGAQYRIHTHG VFRGIQDVRRVPGVAPTLVRSAS
MO:GQSNHGIGYESDNHTAPEILCGAQYRIHTHG VFRGIQDVRRVSGVAPTLVRSAS

HU:ETSEKRPFMCAYPGCNKRYFKLSHLQMHSRKHTGEKPYQCDFKDCERRFSR
MO:ETSEKRPFMCAYPGCNKRYFKLSHLQMHSRKHTGEKPYQCDFKDCERRFSR

HU:SDQLKRHQRRHTGVKPFQCKTCQRKFSRSDHLKTHTRTHTGKTSEKPFSCR
MO:SDQLKRHQRRHTGVKPFQCKTCQRKFSRSDHLKTHTRTHTGKTSEKPFSCR

HU:WPSCQKKFARSDELVRHENMEQRNMTKLQ LAL
MO:WHSCQKKFARSDELVRHENMEQRNMTKLH VAL

FIG. 1



FIG. 2

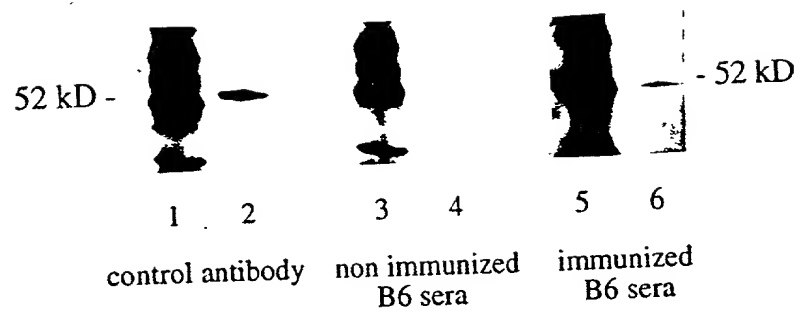


FIG. 3

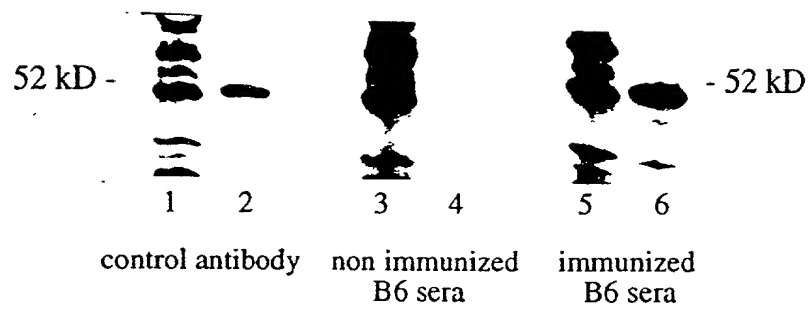


FIG. 4

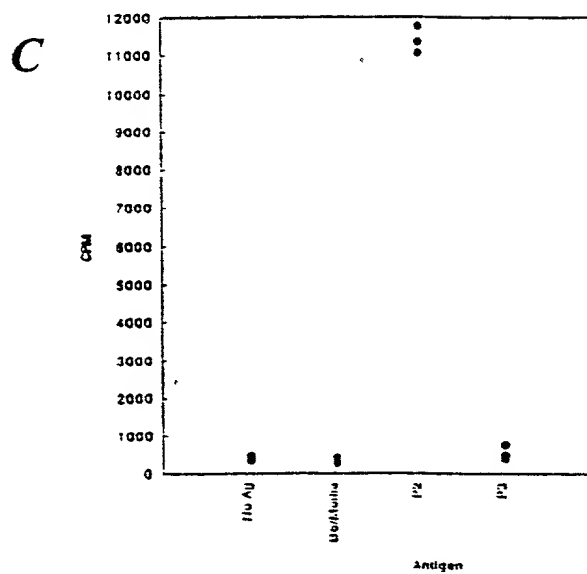
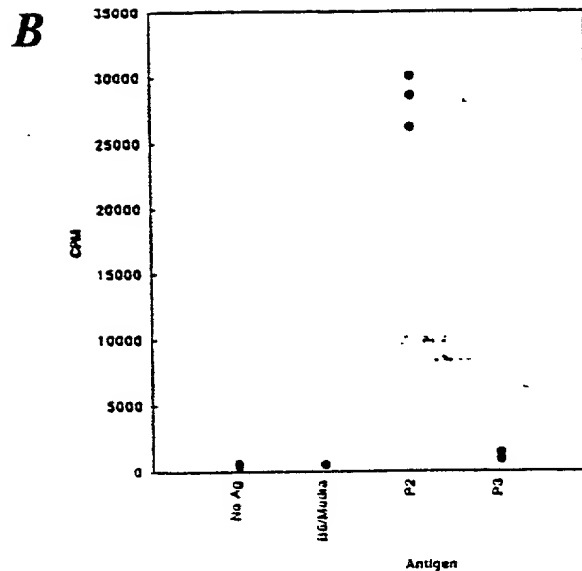
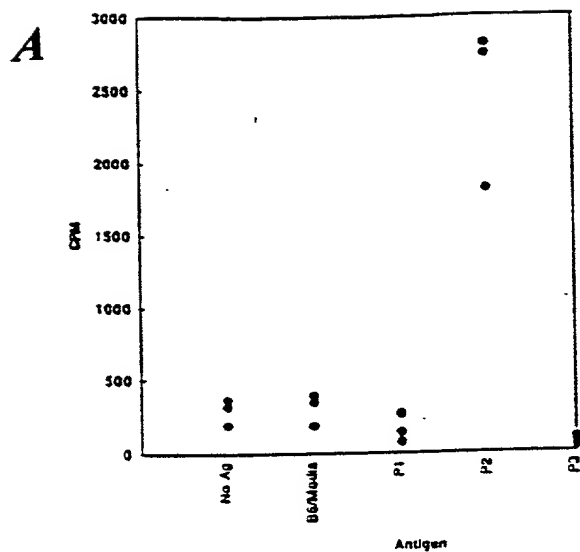
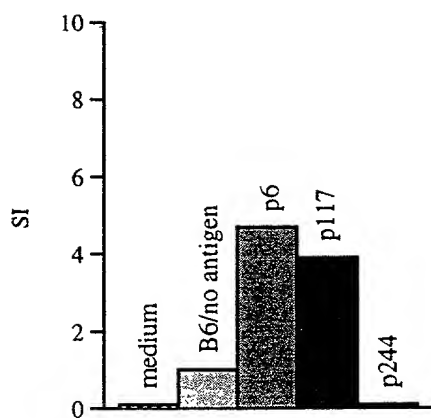


FIG. 5A-5C

A Vaccine A stimulated line



B Vaccine B stimulated line

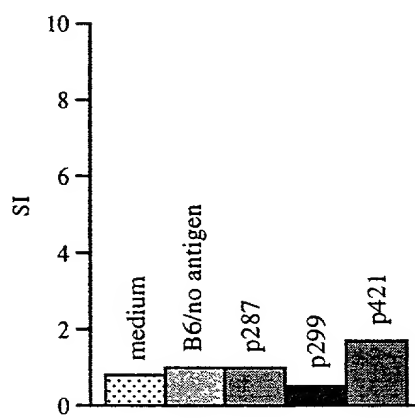
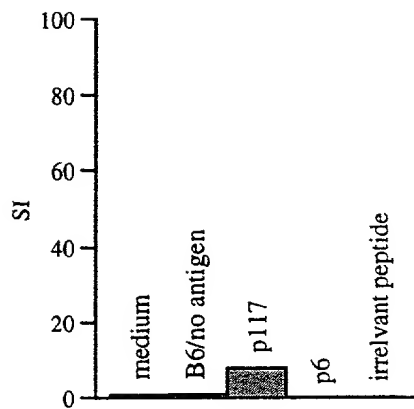
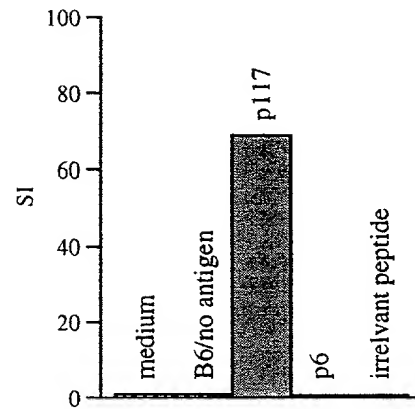


FIG. 6A and 6B

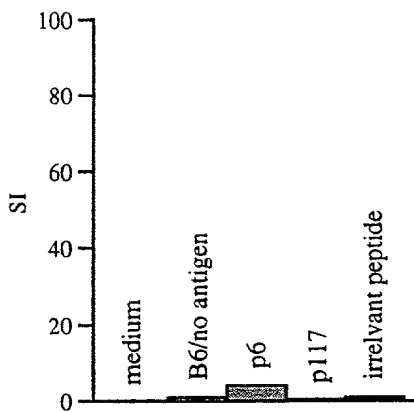
A p117-139 stimulated line



B p117-139 stimulated clone



C p6-22 stimulated line



D p6-22 stimulated clone

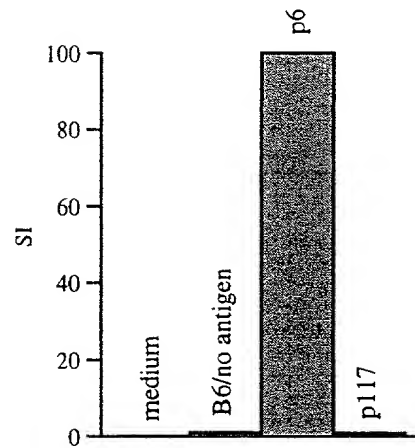


FIG. 7A-7D

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5   10  15  20  25  30  35  40  45  50  55  60  65  70  75
MGSDVROLDNALLPAVPSLGGGGGCGALFVSGAAQWAPVLDFAFPPGASAYGSLGGPAPPPAPPPPPPPPHSFIKQE
.....AAAAAAAAAAAAAAAA.....AAAAA.....AAAAAAAAAAAA.....
.....RRRR.....
.....
.....

80  85  90  95  100 105 110 115 120 125 130 135 140 145 150
PSWGGAEPEEQCLSAFTVHFSGQFTGTAGACRYGPFPGPPPSQASSGOARMFPNAPYLPSCLESQPAIRNQYS
.....AAA.....AAAA.....AAA.....AAAAA.....
.....RRRR.....RRRRR.....
.....DDDDDDDD.....
.....

155 160 165 170 175 180 185 190 195 200 205 210 215 220 225
TVTFDGTSPSYGHTPSHAAQFPNHSFKHEDPMGQCGSLGEQQYSVPPPVYGCHTPTDCTGSQALLRTPYSSDN
.....AAAAA.....AAAAA.....AA
.....RRRR.....
.....DDDDDDDDDDDDDD.....
.....

230 235 240 245 250 255 260 265 270 275 280 285 290 295 300
LYQMTSQLECMTNQMNLGATLKGVAAGSSSSVKWTEGQSNHSTGYESDNHTTPILCGAQYRIHGHGVFRGIQDV
AAAAA.....AAA.AAA.....AAAAAAAAA
.....RRRRRRRRRR.....RRRR.....RRRR.....
DDDDDD.....DDDDDDDDDD.....
.....ddddd.....

305 310 315 320 325 330 335 340 345 350 355 360 365 370 375
RRVPGVAPTLVRSASETSEKRPFCAYPGCNKRYFKLSHLQMSRKHTGEKPYQCDFKDCERRFRSDQLKRHR
AAAAA.AAAAAA.....AAAA.AAAAAA.
....RRRR.....RRRR.....
.....DDDDDD.....
.....

380 385 390 395 400 405 410 415 420 425 430 435 440 445 450
RHTGVKPFQCKTCQRKFSRSDHLKTHTRHTGKTSEKPFSCRWPSCQKKFARSDELVRHHNMHQBNMTKLQAL
.....AAAA.AAAA.AA.....AAAA.....AAA.....AAAAA.....AAA.....
.....RRRR..RRRR.....
.....
.....ddddd.....

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FIG. 8A

5 10 15 20 25 30 35 40 45 50 55 60 65 70 75
 MGSDVRDLNALLPAVSSSLGGGGGCGLPVSGAACWAPVLDFAAPPASAYGSLGGPAPPPAPPPPPPPPHSFIKQE
AAAAAAAAAAAAAAAAAAAA.....AAAAA.....AAAAAAAAAAAA.....
RRRR.....

 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150
 PSWGGAEPHEEQCLSAFTLHFSGGFTGTAGACRYGPFPGPPPSQASSGQARMFPNAPYLPSCLESQPTIRNQYS
AAAA.....AAA.....AAAAA.....
RRRR.....RRRR.....
DDDDDDDD.....

 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225
 TVTFDGAPSYGHTPSHHAQFPNHSEKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDSCTGSQALLLRTPYSSDN
AAAAA.....AAAAA.....AA
RRRR.....
DDDDDDDDDDDDDD.....

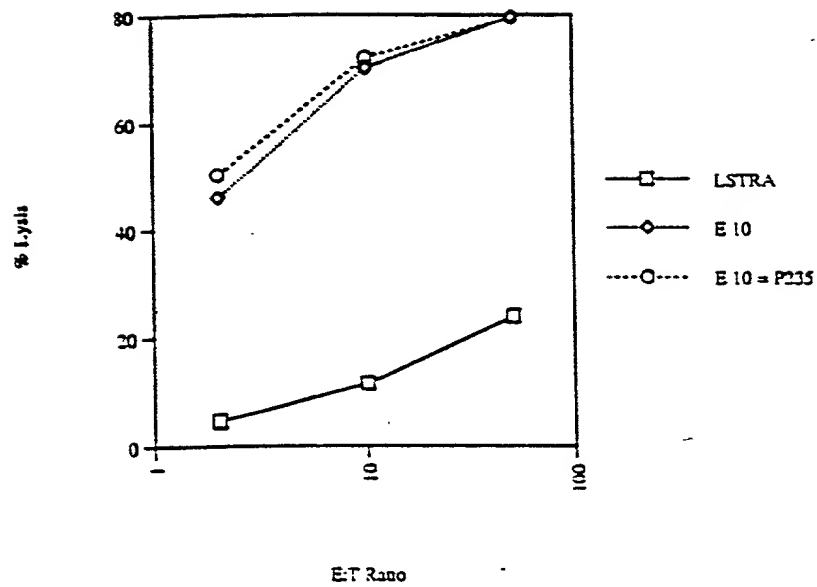
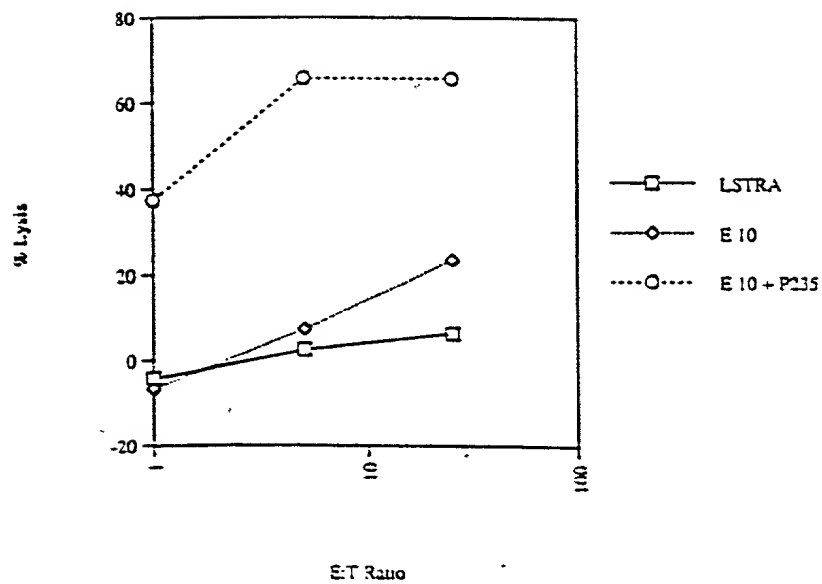
 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300
 LYQMTSQLCMTWNQMNLGATLKGMAAGSSSSSVKNTGQSNHGIGYESDNHTAPILCGAQYRIHTHGVRFGIQDV
 AAAAAA.....AAA.AAA.....AAAAAAAAA
RRRRRRRRRR.....RRRR.....RRRR.....
 DDDDDDD.....DDDDDDDDDDDD.....
ddddd.....

 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375
 RRVSGVAPTIVRSASETSEKRPFCAYPGCNKRYFKLSHLQMHRSRKHTEKPYQCDFKDCERRFSRSDQLKRHR
 AAAAAA.....AAAAA.....AAAA.AAAAAA.
RRRR.....RRRR.....
 ..DDDDDDDDDD.....

 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450
 RHTGVKPFQCKTCQRKFSRSDHLKTHTRHTGKTSEKPFSCRWHSCQKKFARSDELVRHHNMHQRNMTKLHVAL
AAAA.AAAA..AA.....AAAA.....AA.....AAAAA.....AAAA.....
RRRR..RRRR.....

ddddd.....

FIG. 8B

A**B****FIG. 9A and 9B**

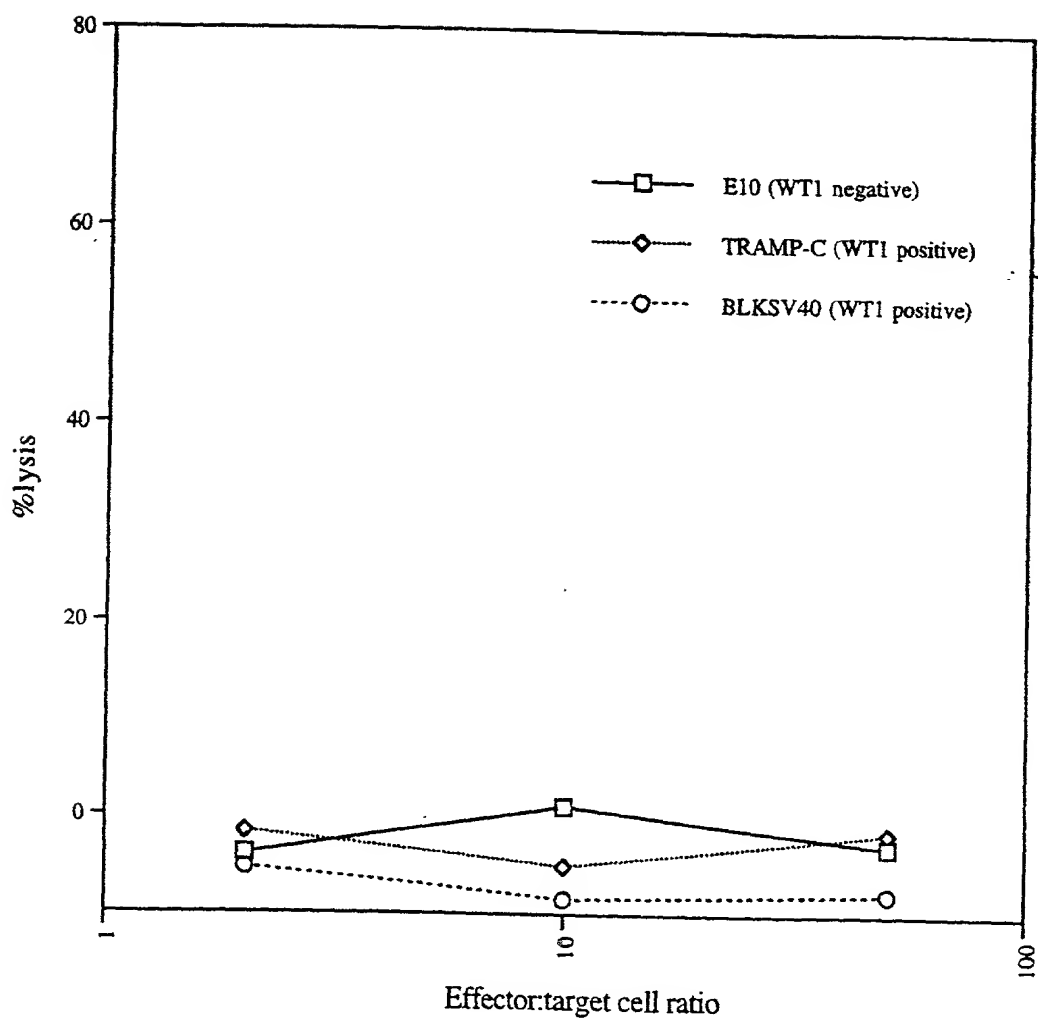


FIG. 10A

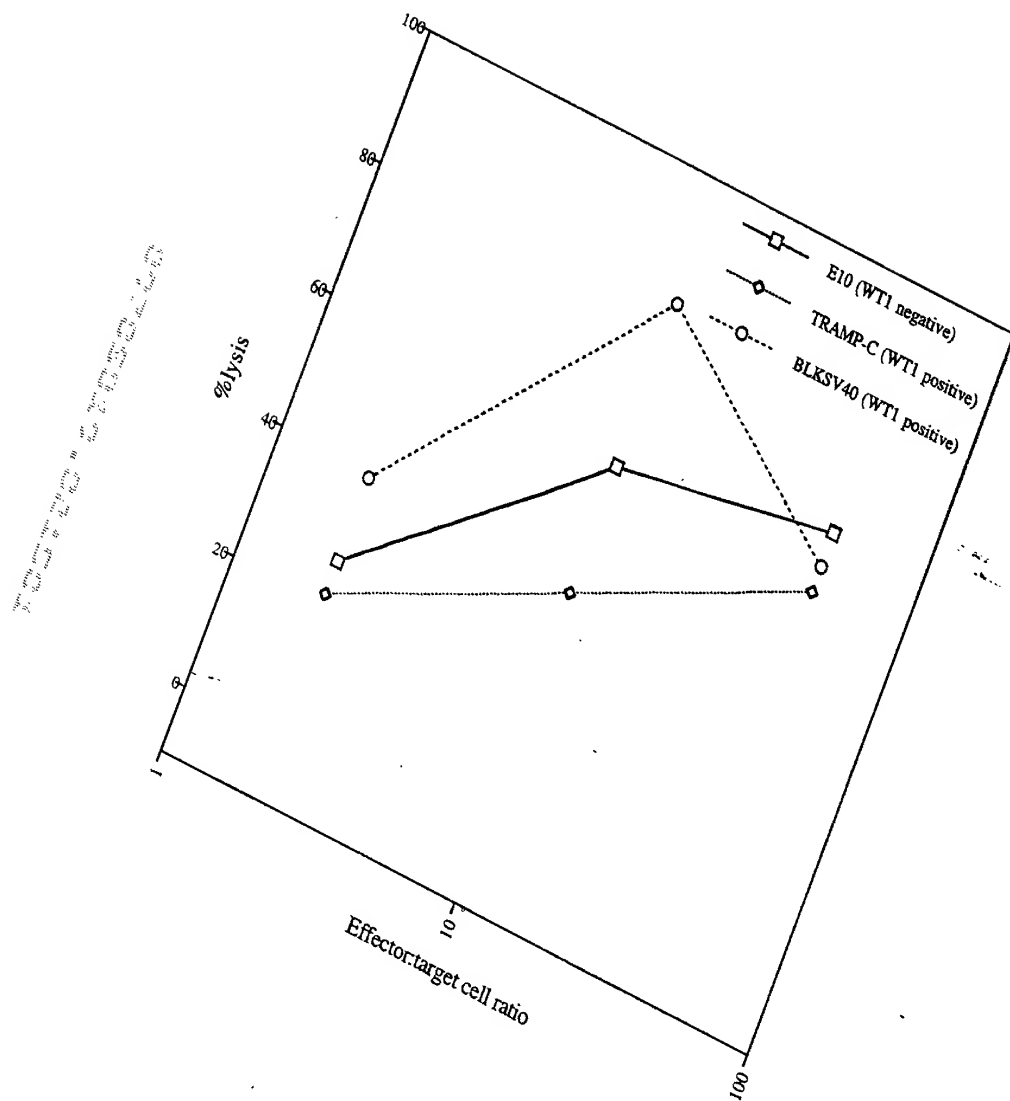
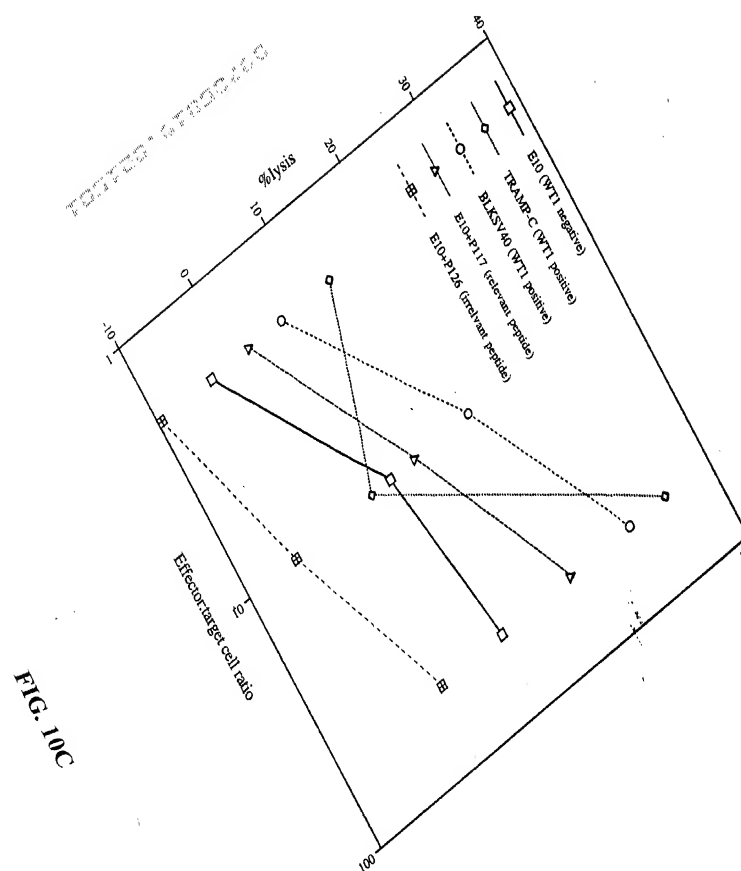


FIG. 10B



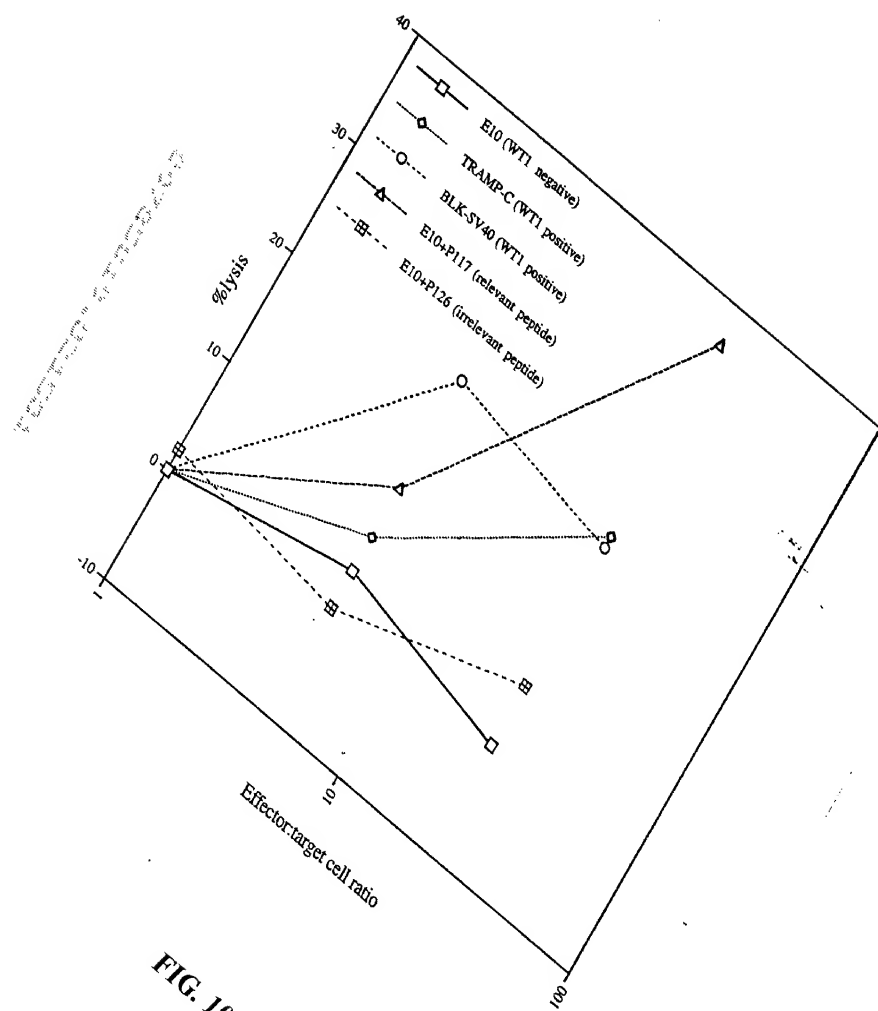


FIG. 10D

EL-4, WT1 negative

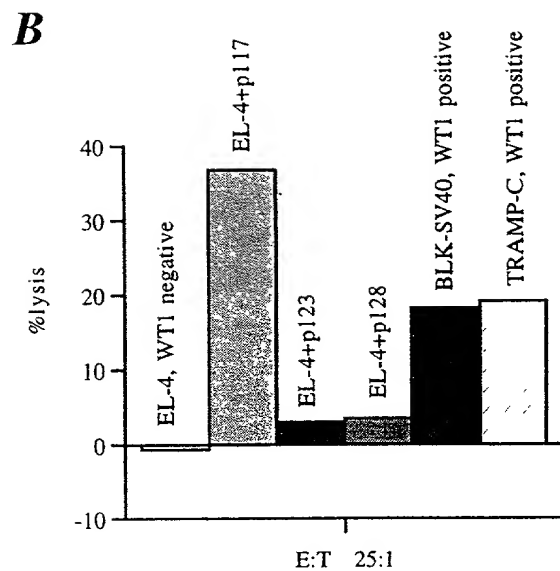
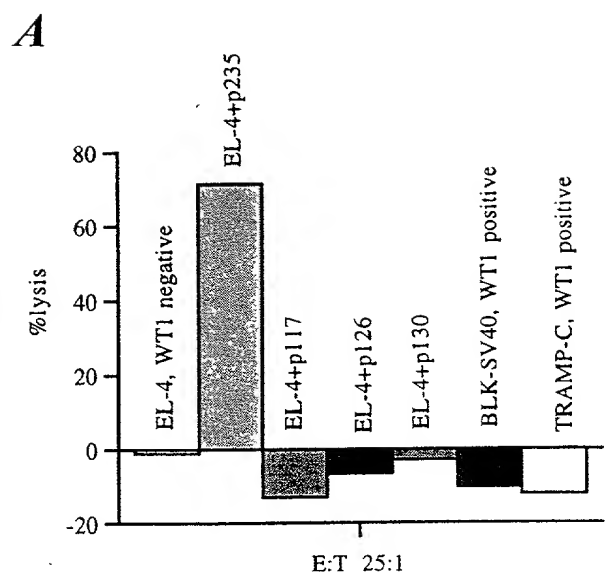
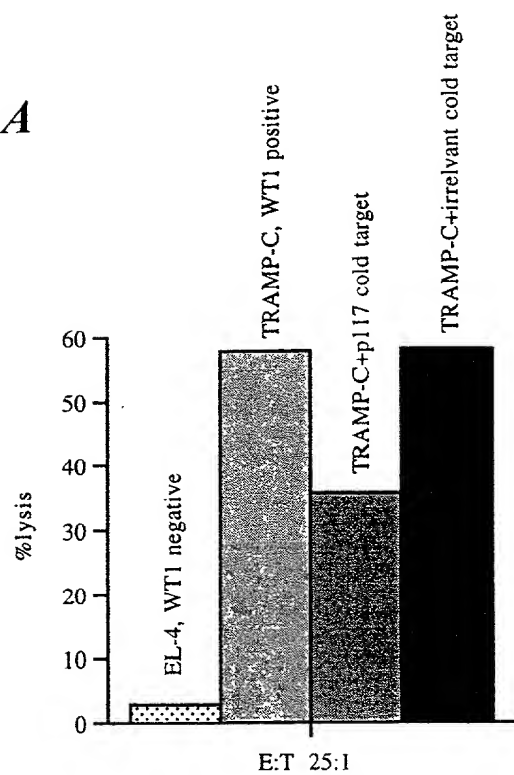
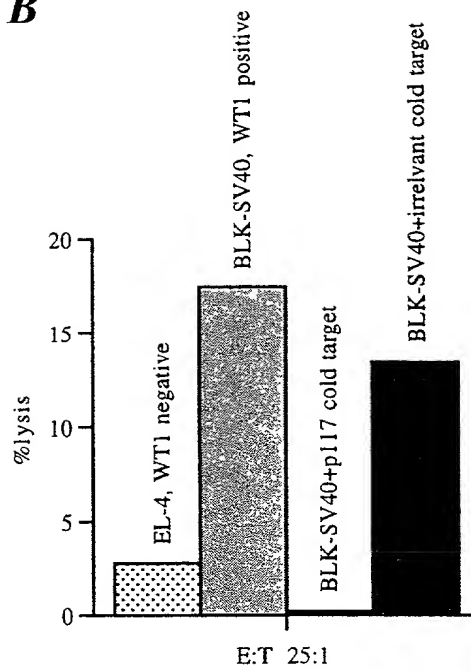


FIG. 11A and 11B

A**B****FIG. 12A and 12B**